

# Drought Task Force Summary

## 26 November 2012

Dr. Dennis Todey

South Dakota State Climatologist

SDSU Extension/AES/ABE

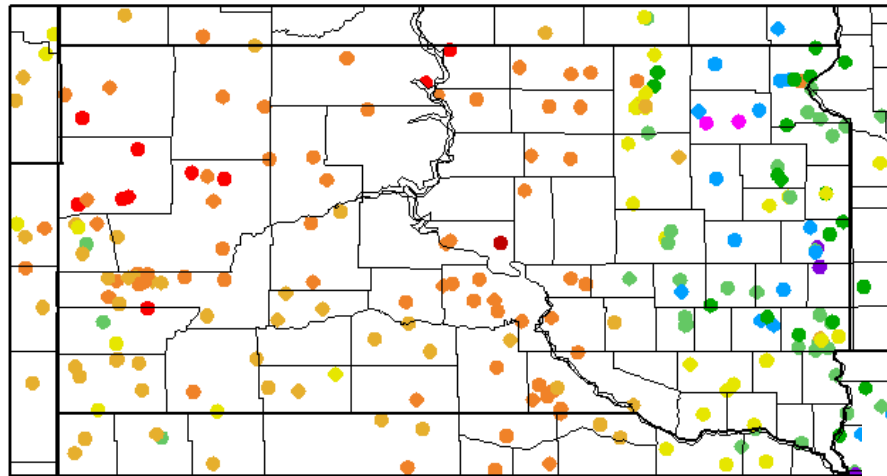


# Drought Summary

- Slight changes in DM last few weeks – generally the same pattern
- Precipitation still limited this fall over most of the state
- Few major changes expected – precipitation limited this time of year.
- Outlooks for winter are very mixed.
- Unlikely to show much change through the winter



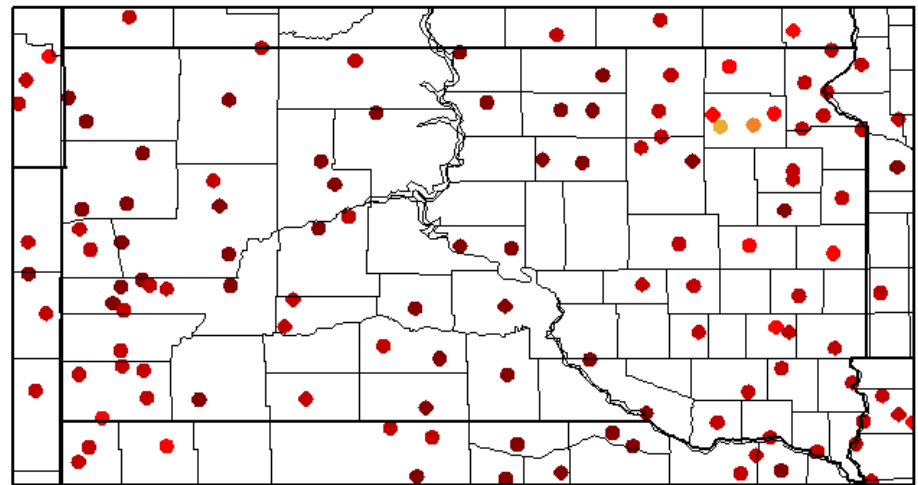
# Precipitation (in) 8/28/2012 - 11/25/2012



Generated 11/26/2012 at HPRCC using provisional data.

Regional Climate

## Percent of Normal Precipitation (%) 8/28/2012 - 11/25/2012



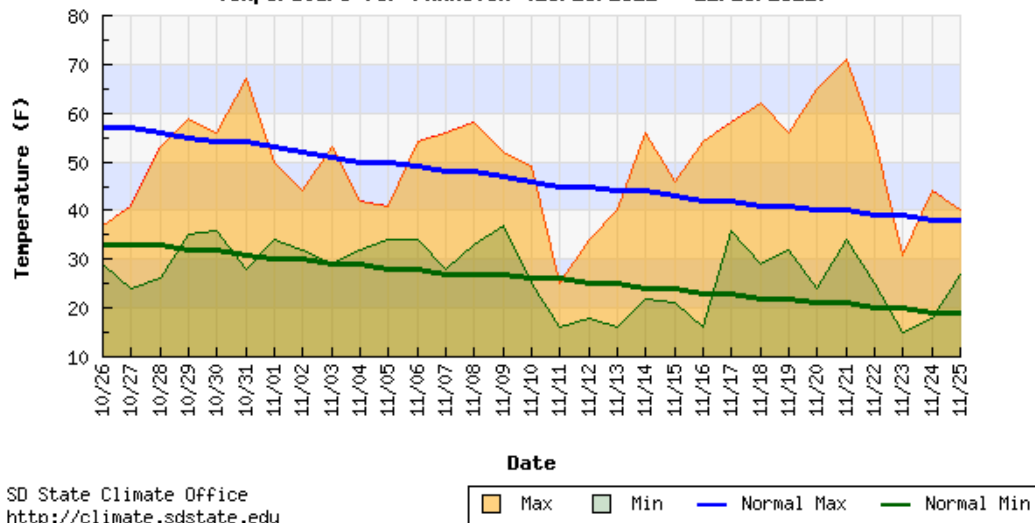
Generated 11/26/2012 at HPRCC using provisional data.

Regional Climate Centers



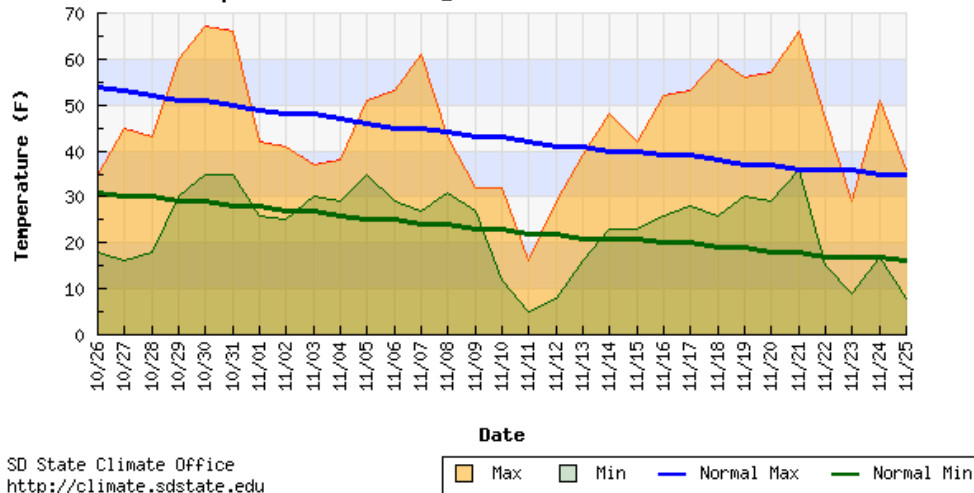
<http://www.hprcc.unl.edu/maps/current/>

Temperature for PARKSTON (10/26/2012 - 11/25/2012)

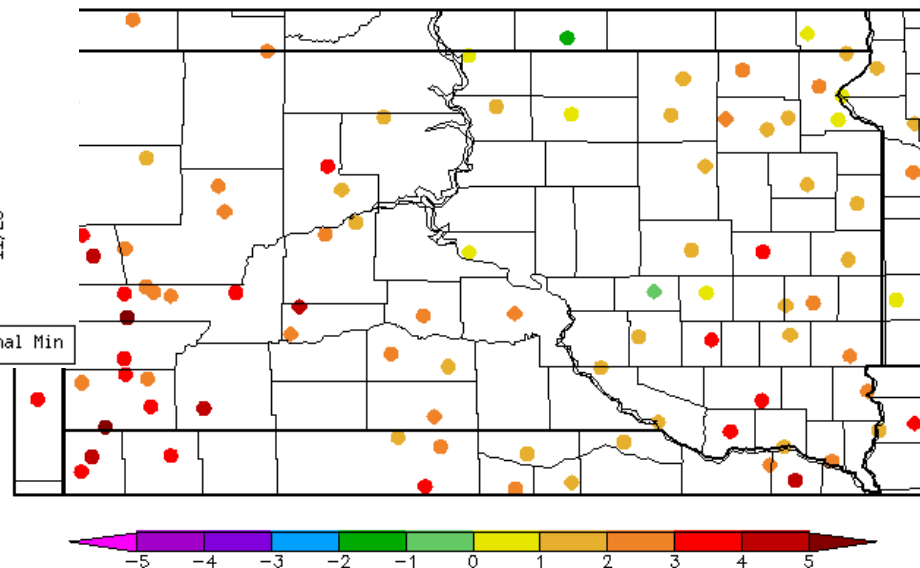


<http://climate.sdstate.edu/awdn/archive/graphs.php?txtfrom=06/01/2012&txtto=07/28/2012&station=BES&parameterz=temp>

Temperature for TIMBER LAKE (10/26/2012 - 11/25/2012)



Departure from Normal Temperature (F)  
 10/27/2012 - 11/25/2012



Generated 11/26/2012 at HPRCC using provisional data.

Regional Climate Centers



# U.S. Drought Monitor

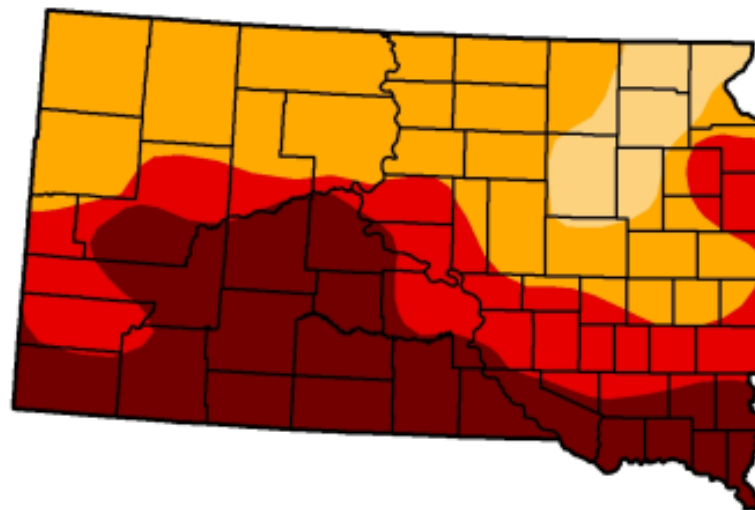
## South Dakota

November 20, 2012

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	100.00	93.09	54.85	32.57
Last Week (11/13/2012 map)	0.00	100.00	100.00	93.09	54.71	32.57
3 Months Ago (08/21/2012 map)	0.00	100.00	82.78	59.29	17.95	0.00
Start of Calendar Year (12/27/2011 map)	48.14	51.86	13.86	2.11	0.00	0.00
Start of Water Year (09/25/2012 map)	0.00	100.00	100.00	74.69	50.53	6.72
One Year Ago (11/15/2011 map)	59.49	40.51	11.46	2.11	0.00	0.00



Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

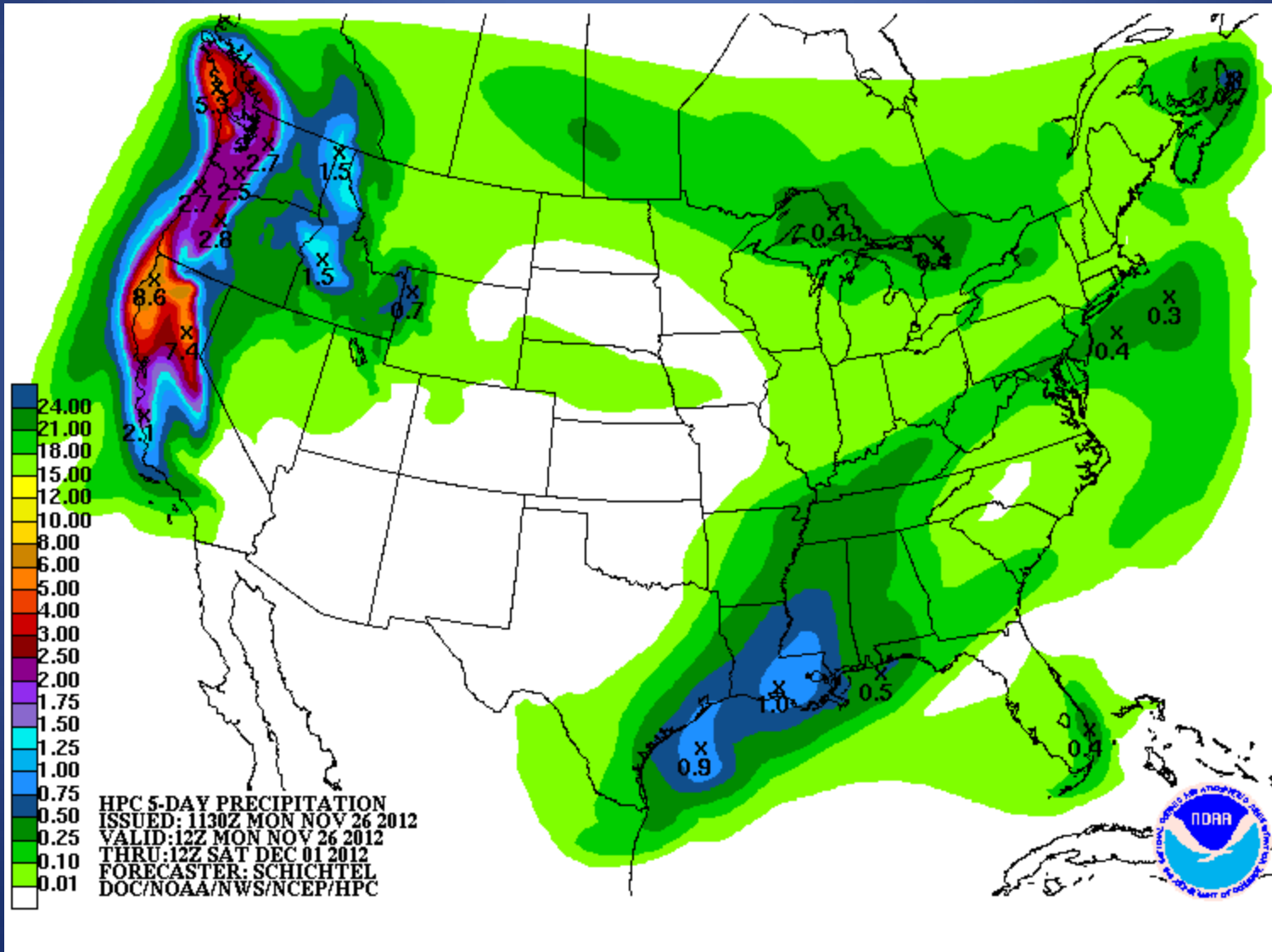
<http://droughtmonitor.unl.edu>



Released Thursday, November 22, 2012  
National Drought Mitigation Center,



# NOAA HPC 5 Day Precip Forecast



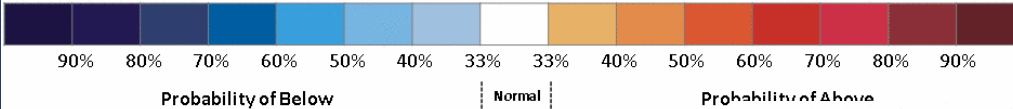
8-14 day

Temperature

Precipitation

8-14 DAY OUTLOOK  
TEMPERATURE PROBABILITY  
MADE 25 NOV 2012  
VALID DEC 03 - 09, 2012

DASHED BLACK LINES ARE CLIMATOLOGY  
(DEG F) SHADED AREAS ARE FCS  
VALUES ABOVE (A) OR BELOW (B) NORMAL  
UNSHADED AREAS ARE NEAR-NORMAL

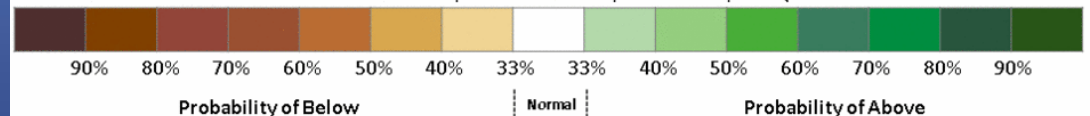


<http://www.cpc.ncep.noaa.gov>

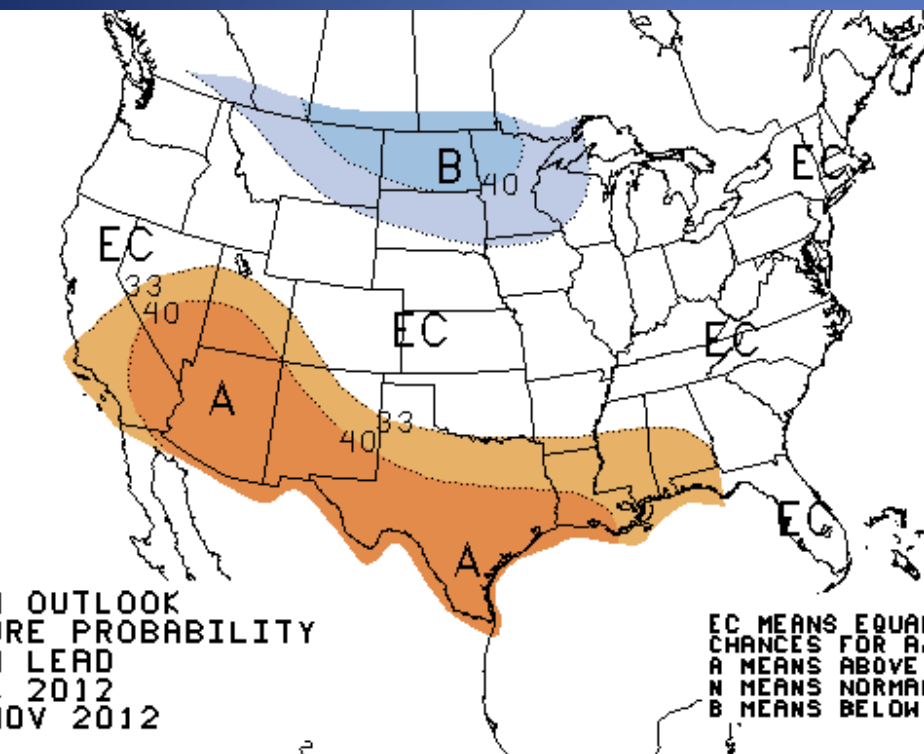
Issued daily

8-14 DAY OUTLOOK  
PRECIPITATION PROBABILITY  
MADE 25 NOV 2012  
VALID DEC 03 - 09, 2012

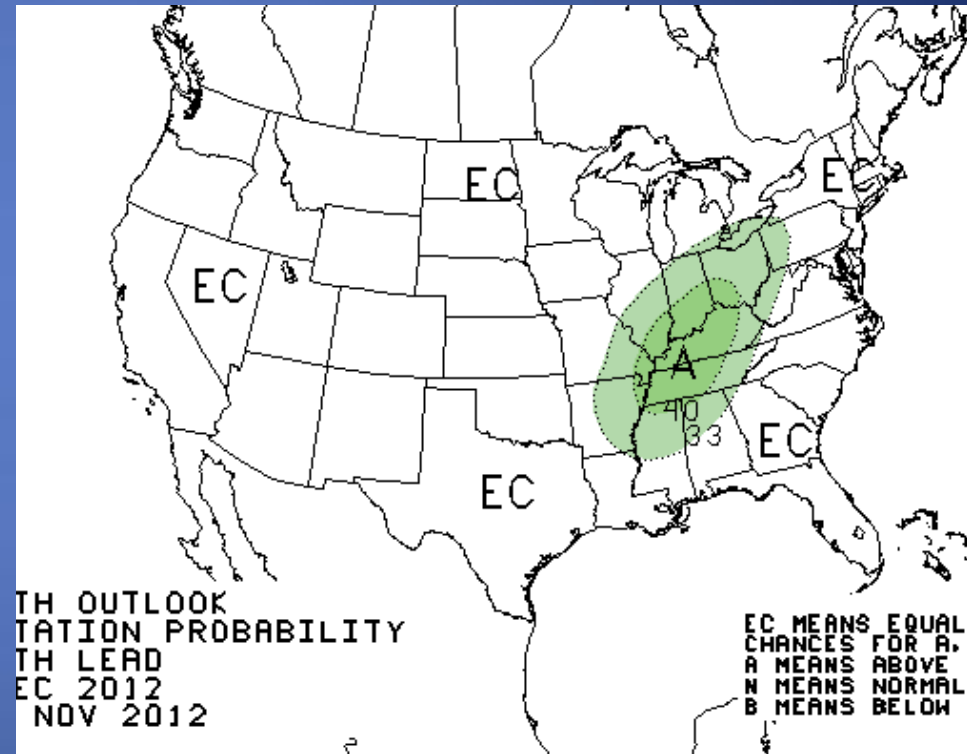
DASHED BLACK LINES ARE CLIMATOLOGY  
(TENTH OF INCHES) SHADED AREAS ARE FCS  
VALUES ABOVE (A) OR BELOW (B) MEDIAN  
UNSHADED AREAS ARE NEAR-MEDIAN



# December Temperature and Precipitation Probabilities



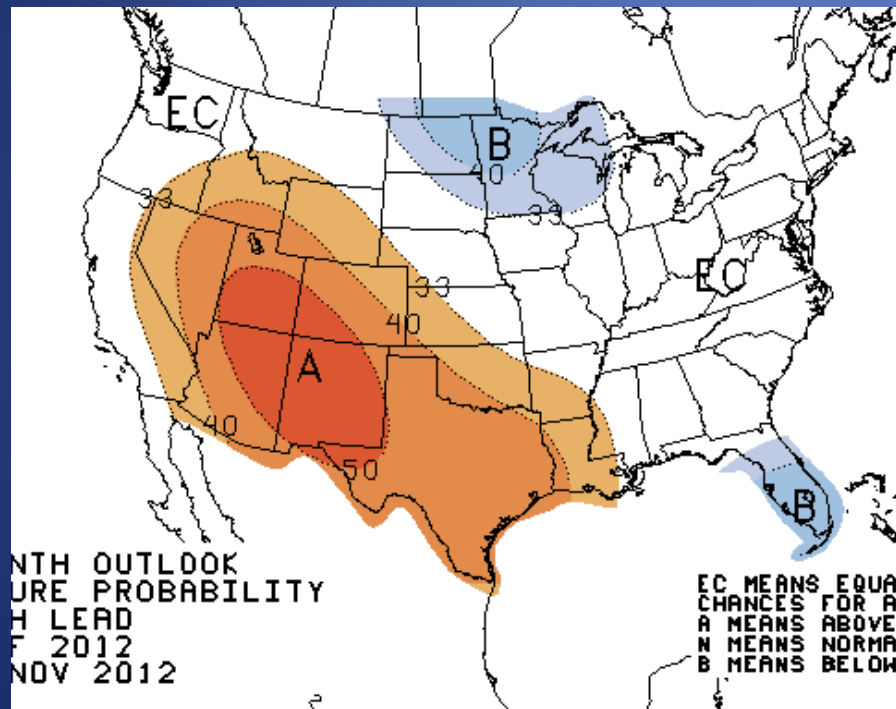
Temperature



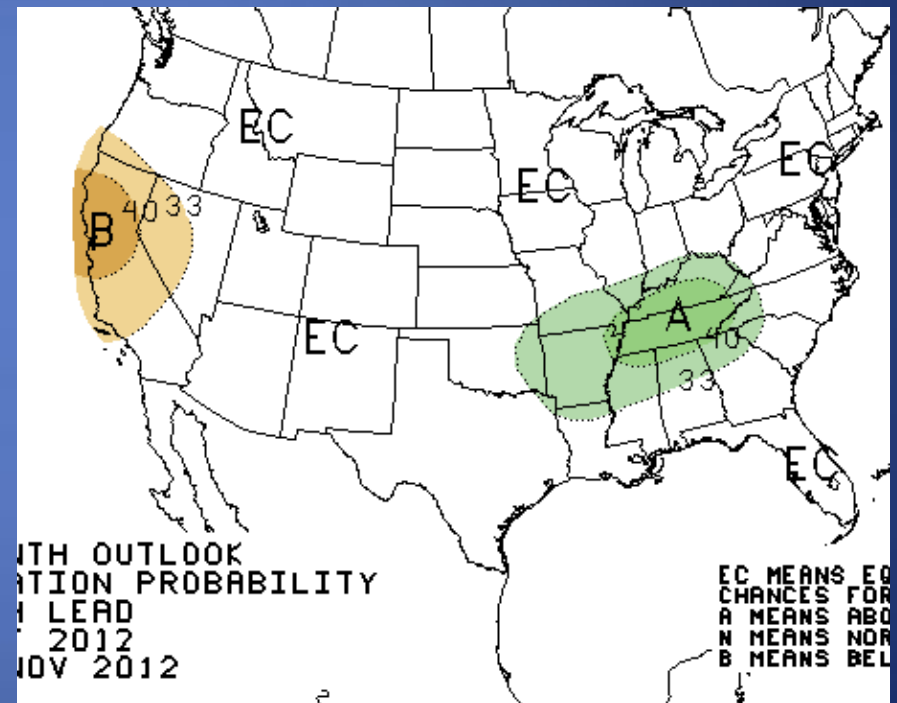
Precipitation



# 3 Month Temperature and Precipitation Probabilities (December - February)



**Temperature**



**Precipitation**

[http://www.cpc.ncep.noaa.gov/products/predictions/long\\_range/seasonal.php?lead=1](http://www.cpc.ncep.noaa.gov/products/predictions/long_range/seasonal.php?lead=1)

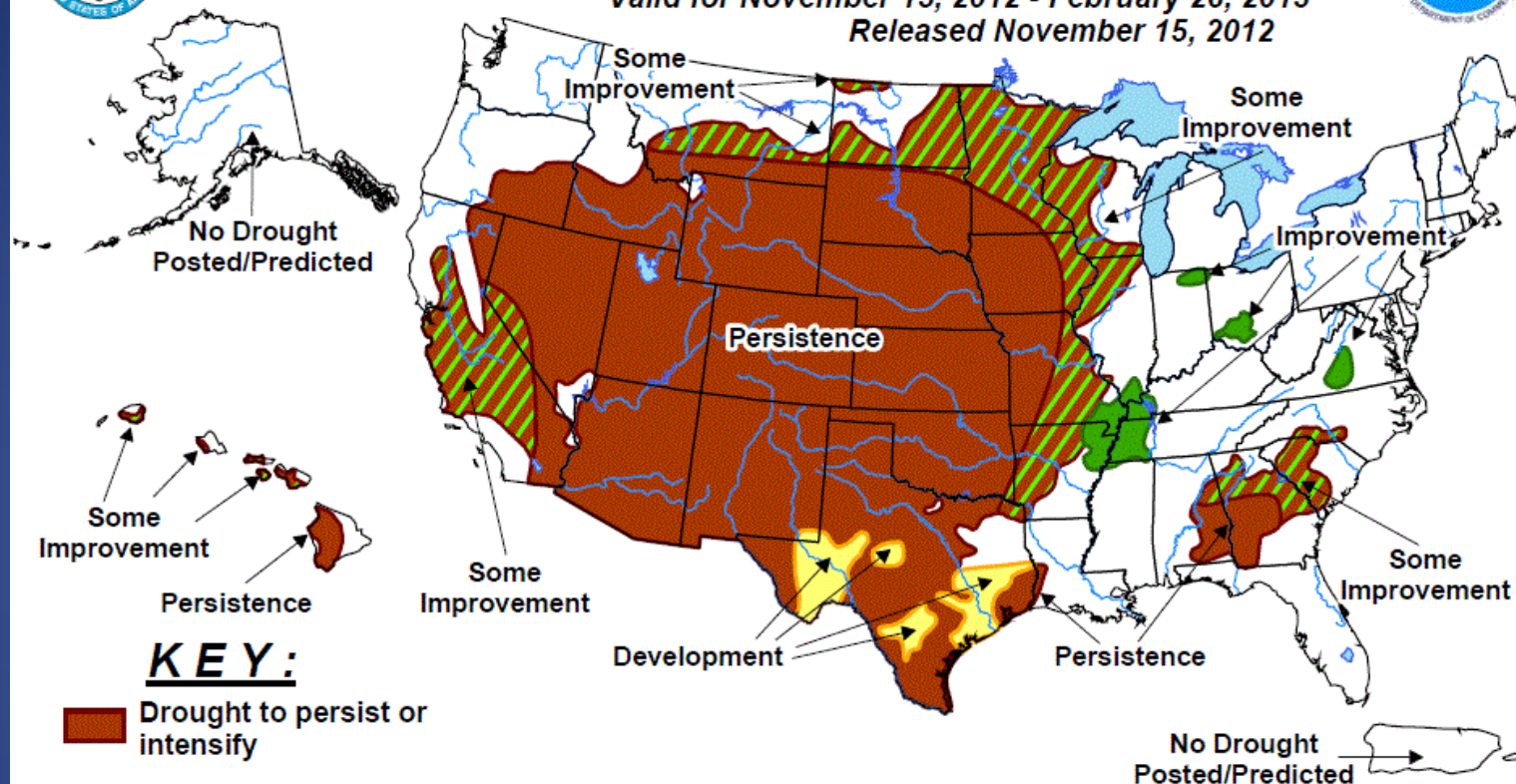
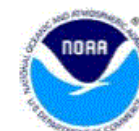


# U.S. Seasonal Drought Outlook

## Drought Tendency During the Valid Period

Valid for November 15, 2012 - February 28, 2013

Released November 15, 2012



### KEY:

- Drought to persist or intensify
- Drought ongoing, some improvement
- Drought likely to improve, impacts ease
- Drought development likely

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events -- such as individual storms -- cannot be accurately forecast more than a few days in advance. Use caution for applications -- such as crops -- that can be affected by such events.

"Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity).

For weekly drought updates, see the latest U.S. Drought Monitor. NOTE: the green improvement areas imply at least a 1-category improvement in the Drought Monitor intensity levels, but do not necessarily imply drought elimination.